



# LOUISIANA Nursery & Landscape

## NEWS

JULY/AUGUST/SEPTEMBER 2004

*Louisiana Nursery and Landscape News* is a quarterly newsletter produced by the Louisiana Nursery and Landscape Association as a member service. The opinions and statements expressed herein do not necessarily represent the views of LNLA, its staff, Board of Directors, or its editors. Likewise, advertisements do not constitute an endorsement of the featured products or services. \*



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## 2004 AMERICAN STANDARD FOR NURSERY STOCK NOW AVAILABLE

*Washington, D.C.* -- The American Nursery & Landscape Association (ANLA) announces the release of the 2004 American Standard for Nursery Stock (ANSI Z60.1-2004 — the "Standard"). Approved by the American National Standards Institute (ANSI) on May 12, 2004, the revised Standard is an essential reference for every landscape architect, designer, garden center or distribution firm buyer, grower, or landscape installation firm. Since 1923, the Standard has established the fundamental terminology used in nursery stock transactions.

In order to make this important resource available to everyone in the green industry and increase compliance with the Standard, ANLA will provide it at no charge through their website [www.alna.org](http://www.alna.org). The pdf-format document can be viewed on-line, downloaded to the user's computer, or printed, and horticulture schools and state certification programs can print as many copies as they need. Every association in the green industry is encouraged to provide a direct link from their website to the publications area of [www.alna.org](http://www.alna.org), enabling the Standard to get maximum usage, thus benefitting the industry as a whole. A "field-friendly" version, printed on stain-resistant paper, will be available for purchase from ANLA later this year.

Important revisions in the 2004 edition of the Standard include:

- Clarifies how nursery stock should be specified in catalogues, purchase orders, contracts, and bid documents
- Larger containers (#45, #65, and #95/100) and wooden boxes added to the container classification table
- Measurement of B&B root ball depth does not include excess soil above the roots

## 2004 LNLA Officers, Board & Committees

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Anthony Witcher

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#### **WEBSITE MANAGER**

Gary Marmillion

- Recognizes enhanced cultural practices to allow smaller B&B root balls
- New requirement to include method of determining caliper measurement for multi-stem trees
- New method for determining minimum root ball diameter for multi-stem trees
- New tables provide guidance for determining what size container to specify with plant size specification
- New system for classifying deciduous shrubs
- Larger B&B root ball diameter minimums for many evergreens
- New requirement to include "shearing designation" in all evergreen specifications
- Examples expanded to include plants common in the Southwest US

For more information contact Amanda Flynn at 202.789.2900 or [aflynn@alna.org](mailto:aflynn@alna.org)

## Louisiana Irrigation Association - Licensure Update

We are pleased to report that Governor Blanco has signed the legislation calling for licensure of landscape irrigation contractors in Louisiana. *Irrigation Association* representatives are scheduled to meet with Craig Roussel and Mark LeBlanc this month to discuss plans and procedures for the *Horticulture Commission* and *Irrigation Association's* roles in setting up guidelines, educational materials, testing and licensure timeline for Irrigation Contractors.

The Louisiana Irrigation Association continues to represent the Irrigation Contractors and to support ethical and environmentally healthy methods of irrigation design, installation and system maintenance. Visit the Web Site at [www.l-i-a.org](http://www.l-i-a.org)



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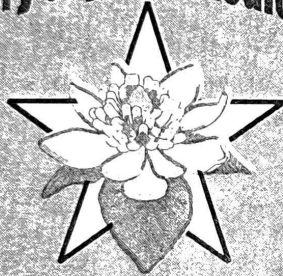
*Forest Hill Growers*

*will be hosting the*

**3<sup>rd</sup> Annual**

# **Nursery Growers Trade Show**

*"Nursery Capital of Louisiana"*



**October 15-16, 2004**

**Alexandria Riverfront Convention Center**

For more information contact:

**Ruthie Fox**

**Trade Show Coordinator**

318-748-7125 • 318-447-2700

Email: FHgrowers@aol.com

**Forest Hill Town Hall**

318-748-6300

Email: foresthla@centurytel.net

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## Flumioxazin

### New Herbicide for Nursery Production



Valent recently registered Broadstar and Sureguard, two new herbicides with the active ingredient flumioxazin. The herbicides are targeted primarily for woody nursery and container production and provide both preemergence and early postemergence weed control. Broadstar is formulated as a dry granule that contains 0.25% active ingredient. Although Broadstar can be applied in many field grown shrubs and trees, the main target of this product is containerized ornamentals. Sureguard is a water-dispersible granule formulation that contains 51% active ingredient that is sprayed in water. Sureguard mainly targets field production of conifers and deciduous trees. Neither herbicide can be applied overtop of actively growing trees and shrubs.

**Mode of Action** - Since Broadstar and Sureguard are the same herbicide with different formulations, for simplification, I will refer often to the active ingredient, flumioxazin. Flumioxazin kills weeds by inhibiting an essential enzyme required by plants for chlorophyll biosynthesis. Seedling weeds are controlled preemergence when exposed to sunlight following contact with the herbicide in the soil. This mode of action is identical to oxyfluorfen (Goal). Since Broadstar is formulated as a dry granule, expect mainly preemergence control and very limited contact postemergence activity on newly germinated weeds. However, Sureguard should provide better postemergence activity since it is applied in a spray. According to the label, the most effective postemergence weed control with Sureguard occurs when applied in combination with a surfactant to weeds less than 2 inches in height.

Unlike many preemergence herbicides, flumioxazin is tightly bound to the soil and does not inhibit crop root growth. However, because the herbicide can provide contact postemergence activity, leaf spotting or speckling may occur on ornamental shrubs. Flumioxazin is not translocated within plant tissue and subsequent plant growth of labeled ornamentals will not be affected.

**Weed Spectrum** —The weed control spectrum with flumioxazin is somewhat similar to oxyfluorfen. Flumioxazin provides good control of several broadleaf species including yellow woodsorrel (*Oxalis stricta*), hairy bittercress (*Cardamine hirsute*) spurge (*Euphorbia* sp.) long stalk phyllanthus (*Phyllanthus tenellus*), and pigweed (*Amaranthus* sp.). Flumioxazin demonstrates some suppression/control of annual grasses such as crabgrass (*Digitaria* sp.) and foxtail (*Setaria* sp.). This herbicide will not control perennial weeds.

**Broadstar** — Broadstar is flumioxazin in the granular form. The herbicide is labeled for use in containerized ornamental shrubs and trees, ground covers and non-bearing fruit and nut trees that are grown in nurseries. Most woody plants are tolerant to Broadstar when applied according to the label.

However, the herbicide can severely injure a variety of annual bedding plants and herbaceous perennials such as hosta and daylilies. Broadstar should not be applied in residential or commercial landscapes.

This granular formulation fits container production very well with its ease of application and crop safety. Apply Broadstar with a clean, well maintained drop or rotary type granular applicator that distributes the granules uniformly. There is only one application rate, 150 pounds per acre. For optimal preemergence control apply Broadstar to weed free soil before weed seeds germinate. In order to move the herbicide into the zone where weed seeds are germinating, 0.75 to 1 inch of rainfall, overhead sprinkler or hand irrigation is required to activate. The manufacturer states that Broadstar can provide from 8 to 12 weeks of preemergence control of labeled weeds. Two applications are allowed per growing season.

Due to Broadstar's granular formulation, there is less potential for crop injury when compared with Sureguard. However crop injury can occur if the herbicide is applied to wet foliage. Do not apply to newly transplanted ornamentals until the soil or potting media has been settled through irrigation or rainfall.

**Sureguard** — Sureguard is the water dispersible granule formulation of flumioxazin that is sprayed in water. This herbicide will be used predominantly in field production of conifers and deciduous trees. Sureguard may be applied over the top of dormant conifers or after new growth has hardened off. For deciduous trees, applications should occur in the spring or fall before bud break as a directed spray to reduce injury potential. Use rates range from 8 to 12 ounces per acre. Moisture is needed to activate the herbicide for preemergence weed control, so irrigation is recommended soon after application.

For improved postemergence control with Sureguard, apply with a surfactant to weeds less than 2 inches in height. Thorough spray coverage is necessary for optimum weed control. Of note, for foliar weed applications Sureguard is rainfast one hour after application.

Because Sureguard is dissolved in water and sprayed, there are several tankmix options that can improve preemergence grass performance such as pendimethalin, oryzalin, proflaminate, and simazine. A postemergence herbicide such as glyphosate or clethodim may be added to control emerged weeds. In addition, Sureguard may also be utilized for non-crop weed control to maintain bare ground areas around the nursery production area.


In summary, Broadstar and Sureguard are welcome additions to our nursery herbicide arsenal. The herbicides provide good control of several troublesome broadleaf weeds and grasses at low use rates per acre and cause minimal crop injury on labeled woody ornamentals.

*Additional information on ornamental and turf weed control should be directed to LSU AgCenter agronomist Ron Strahan at 225/578-4170 or [rstrahan@agctr.lsu.edu](mailto:rstrahan@agctr.lsu.edu)*


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# "A Tale of Two Hotels"

By Mark Mayberry

Doug Freer, owner of Lawn Lad in Ohio, sent me an e-mail about an experience that opened his eyes, and his story is a great example of how you can take an experience in another industry and apply it to your own business. Due to space limitation, I've had to edit Doug's e-mail, but you'll get the gist:

"Mark - I've enjoyed getting your newsletter over the years. I always appreciate a quick article/idea or two about selling and the wonders of good Customer Service. Your newsletter helps to remind me why we're in business, and it's helped me to think about my experiences when I buy services from someone else. I thought I'd relate this story to you...only to demonstrate how much difference 'Shazam' really has - and now how it is personally affecting me."

Doug's "Nega-zam" story is about a stay that he had at a "big name" upscale hotel in Minneapolis, MN in June of 2004. Doug points out that this hotel was "what you would expect - nothing special." (Even at \$135 per night!) Doug wanted to use the hotel's business center, but the internet service was "down." He had a committee meeting the following morning, and needed to receive a document for that meeting. The response, from the folks at the desk, was less than what was to be expected - they couldn't do anything for him. Doug said, "To me, a business hotel connected to a convention center should serve its business customers. That's why we're there. All of this was expected by me, and when I didn't get what I wanted, I was disappointed. I guess it's my fault for expecting too much or wanting something they couldn't/wouldn't give."

"What really got my goat was the TV monitor that was behind the woman who was explaining to me why she couldn't help me with what seemed like a simple problem. The TV monitor was flashing with the list of messages about meetings and promotions, etc. for the hotel, and a message popped up saying something to the effect, 'If you are not completely satisfied with your experience/stay at the XXX Hotel, please call 800 \_\_\_\_\_. Because we take your business seriously and want you to be completely satisfied no matter what it takes!' Meanwhile this woman explained why she couldn't (wouldn't) help me."

Doug continues his story. "Two weekends later, I had the occasion to stay at the Murphin Ridge Inn in West Union, Ohio. When I walked through the door to register, I was greeted by Darryl, who said, 'You must be Doug, so nice to meet you.' 'Wow!' I thought - he knows who I am even before I introduced myself. There was no paperwork to sign to get registered. He simply took my bags, and showed me to my private cabin. I inquired about dinner and Darryl told me that he already had reservations for me."

"As I was ordering my dinner, I mentioned that I was watching my carbs. This little mention of watching carbs translated into every meal during my stay - all were suited to my dietary needs. They listened to what I needed or was looking for, and catered to my every need. It was so great that I'm taking my wife back mid-July, so that she can experience the wonderful time on 150 acres of property with swimming, tennis, walking/hiking trails and nearby Amish furniture stores, etc. *They made it so easy to want to spend money with them.* (I'm leaving out so many details for the sake of brevity.)"

"Suffice it to say - I will not only be going back with my wife, but, I will be promoting their Inn to my family, friends and all I meet who have occasion to pass near this Inn.

The experience at the upscale hotel, compared to the personal service offered at The Murphin Ridge Inn was eye opening. Because the experiences were so close together, the contrast seems all the more obvious."

"This has now caused me to think about the service that we give our Customers. What is it like to be a Customer of ours? What is their experience? Does it seem 'adequate' like the upscale hotel, or is it 'over the top,' like The Murphin Ridge Inn? Sadly, I know the answer. Now my challenge is to change things and to be able to sustain the changes so that my Customers can feel and experience the Shazam!"

I'm betting that Doug finds a way to make sure that his Customers are receiving that "Shazam!"

## Shazam Challenge...

What business (in another industry) can you observe - that will lead to positive change in your Customers' experience with your company? When will you do it?!

---

Mark Mayberry is an international speaker, author, and consultant.

Mark wants your input about his newsletter! Please write him at: The Mayberry Group, 6015 Twinpoint Way, Woodstock, Georgia 30189. You can call Mark at (800) 394-6138, or send Mark an E-Mail. ([Mark@Markmayberry.com](mailto:Mark@Markmayberry.com)) Visit Mark's website at [www.MarkMayberry.com](http://www.MarkMayberry.com)!

To order a copy of Mark's audio CD, "Building The Dream Workforce," call Mark's toll-free number (800-394-6138). It's 27 minutes long, and gives you an overview of Mark's "Shazam" philosophy! (\$20 plus shipping) © 2003, Mark Mayberry

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# NEW Certified Nursery & Landscape Professionals



**Congratulations Graduates** - A LNLA Certified Nursery and Landscape Professional Review and Exam was held June 17<sup>th</sup> and 18<sup>th</sup> at the ULL Horticulture Center in Lafayette. The exam was also given to a horticulture class at the LCIW Branch of Louisiana Technical College on March 30<sup>th</sup>. A total of 34 people passed all 5 sections of the exam, they are:

## Clegg's Nursery

Jason Fennell  
Kelli Lambert  
James Leatherman  
Kristi LeJeune  
Shane Schoonmaker

## Greenlife Landscape

Wes Gauthier

## Mike Honhon Landscape Co.

Michel Honhon

## Nature's Creations

Dustin Beard

## Odds & Ends

Lois Manuel

## Seaside Golf Development Inc.

Michael Toogood

## Southlands Premium Tropicals

Jayanne Crawley

## Thibodeaux Feeds

Nathan Thibodeaux

## Individuals

Kelly Barnard  
Kristin Blanchard  
Katherine Bordelon  
Amanda Broussard  
Teresa Feedback

Rakeistah Green

Tammy Heath

Amy Larck

Kimberly Lizana

Wendy Maturin

Pamela McKean

Debra Mitchell

Stacey Montgomery

Michele Perkins

Michelle Rouse

Deborah Sanchez

Tiffany Schriber

Maxine Stacklin

Becky Thibodeaux

Deborah Foreman

Deanna Peltier

Jerry Queen



**Recipients of the 2004 Sidney B. Meadows Scholarship Endowment Fund:** (From left to right, first row) Brian Krug, Jessica Cudnik, Sarah Blythe; a winner of the *Art and Millie Lancaster Scholarship*, and Connie-Johnson. (From left to right, second row) Charles McElhannon, Jake Browder, Scott Croxton; a winner of the *Arthur A. "Buck" Jones Scholarship*, and Matter Nielsen.



# IN THE NEWS

## CONGRATULATIONS

### *SNA NAMES IMAHARA AND TATUM HONORARY MEMBERS*

Each year at the SNA Membership Business Meeting, which is held at the Annual SNA Trade Show and Convention, SNA Members convene to discuss the association's past business and future goals. Added to this year's roster was a discussion on horticultural professionals who have served SNA and the nursery industry in various capacities throughout the years. Each of these leaders has made outstanding contributions during their active participation in the Southern Nursery Association. SNA honors and thanks them for their dedication to the Association and horticulture by making them SNA Honorary Members:

John C. Watkins, Watkins Nurseries, Inc., Powhatan, VA  
Don O. Shadow, Shadow Nursery, Inc., Winchester, TN  
Don McCorkle, Sr., McCorkle Nurseries, Inc., Dearing, GA  
Jack McCorkle, McCorkle Nurseries, Inc., Dearing, GA  
Bryson James, BRY-J Farms & Services, McMinnville, TN  
David Tatum, MS State University and Former Executive Director - MSNLA, Mississippi State, MS  
Jim Zangger, Chandler, AZ  
Michael Dirr, University of Georgia, Athens, GA  
L. Payton Parsons, Parsons Nursery, Inc., Georgetown, SC  
**Walter M. Imahara, Imahara's Landscape Co., Inc.,  
Baton Rouge, LA**

"Each of these industry leaders has made and continues to make an innovative impact on the nursery industry and especially SNA," commented SNA Executive Vice President Danny Summers. "Without their dedication and their love for the industry, SNA would be a very different association than what it has grown into and become today."

The Southern Nursery Association, established in 1899, is a not-for-profit professional trade association representing the horticulture industry in the southern U. S. through *educational, commercial and research opportunities.*

### *SNA LARGE EXHIBIT BOOTH AWARD*

Congratulations to **Randy Bracy** and his team, at **Bracy's Nursery** in Amite, for receiving the second place green booth "large exhibit" award at the 2004 SNA Trade Show, Atlanta, GA, held in August. SNA's "World Showcase of Horticulture" is one of the Southeast's most successful and

prominent green industry shows with over 1,300 booths and annual attendance of about 10,000.

### *FORET SCHOLARSHIP*

Congratulations to **Travis Milligan**, the first recipient of the James and Fay Foret Scholarship Award. Travis attends Stephen F. Austin State University.

## OUR SYMPATHY

LNLA wishes to express condolences to the Barry family in the death of **Dr. Charles Barry**. He was the son of Dr. Bob Barry and brother of Robbie Barry, Barry's Nursery in Grand Coteau, LA.

## CALENDAR OF EVENTS

### **October 15 & 16 - 3<sup>rd</sup> Nursery Growers Trade Show**

Alexandria Riverfront Convention Center

\* Contact: Ruthie Fox 318.748.7125

### **October 28<sup>th</sup> & 29<sup>th</sup> - C.N.L.P. Review and Exam**

9 a.m. - 4 p.m.

Louisiana Tech University

Lomax Hall, Ruston

\* Registration form on page # 18

### **December 9<sup>th</sup> & 10<sup>th</sup> - Annual Poinsettia Open House**

9 a.m. - 3 p.m. & 9 a.m. - 12 noon

Nelson Memorial, LSU Campus, Baton Rouge

(Dummen, Ecke, Fischer, Oglevee, Selecta)

\* Contact: Patricia Branch at 225-578-1041

### **"Pot-in-Pot Nursery Production" ... cont'd from page 15**

Both of these methods will save significant man hour dollars in picking up plants due to windy growing conditions. Retail garden centers and re-wholesale yards should consider an above ground pot-in-pot system for short term holding of large trees and shrubs that are prone to blow-over.

Studies comparing root zone temperatures and size of the root mass usually show that a plant properly maintained under an in ground pot-in-pot production method will have minimal root zone temperature fluctuations and increased root growth compared to an above ground pot-in-pot system. The insulation capability of the above ground pot-in-pot system, is considerably less than the in ground pot-in-pot system, but the above ground method has been shown in some instances to effectively reduce the amount of root stress/kill on the southwest side of containers when compared to traditional container growing. There still, however, is considerable research that could be done to further investigate these issues.

2005 Get It Growing

# Calendar

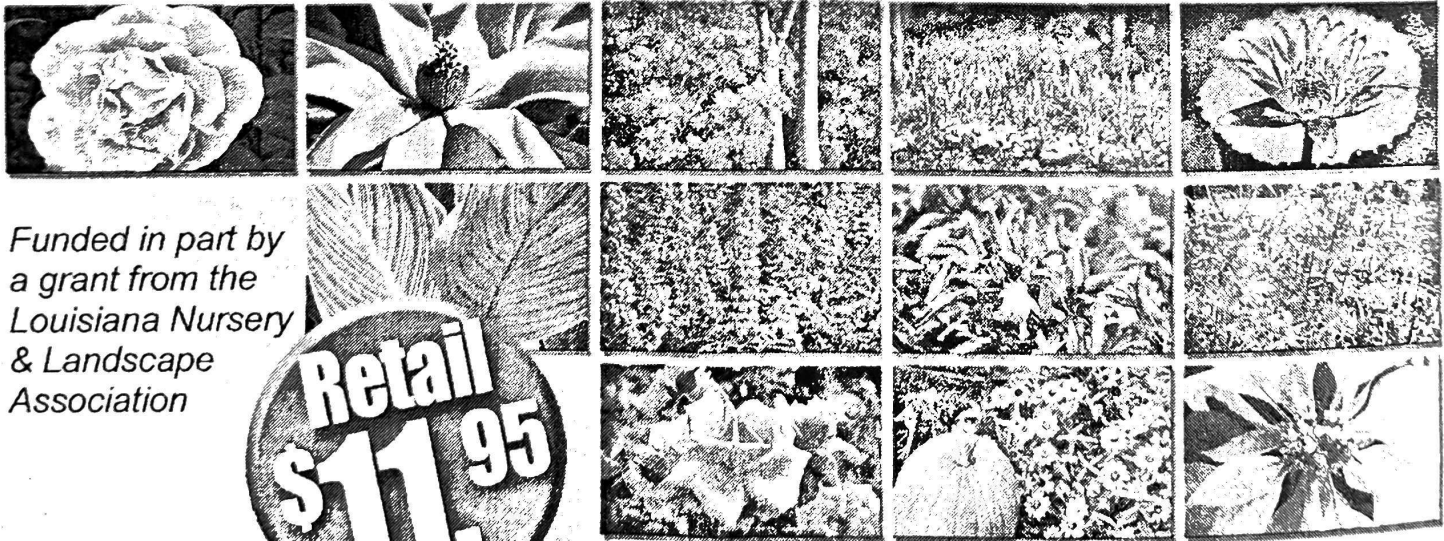


## Features

- Beautiful photos of flowers, plants & vegetables
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- Special azalea section
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**www.lsuagcenter.com/GetItGrowingCalendar** or call 225.578.2263



## LSU AgCenter Calendar Encourages You To

### 'Get It Growing'

Louisiana gardening enthusiasts have the opportunity to learn more about their craft and enjoy beautiful garden photos with the LSU AgCenter's 2005 'Get It Growing' Calendar.

The full-color, 32-page calendar features a special section on azaleas, gardening tips for each month of the year and photos of beautiful flowers, vegetables and plants. It also includes gardening tips from LSU AgCenter horticulturist Dan Gill, who is known across the region for his expertise on Louisiana gardening.

The calendar, which is designed as part of the LSU AgCenter's popular Get It Growing educational campaign on home lawns and gardens, also has an illustrated how-to section on successfully building landscape beds.

It sells for \$11.95 and is available for online orders at [www.lsuagcenter.com/GetItGrowingCalendar](http://www.lsuagcenter.com/GetItGrowingCalendar). Sample photos and more information also are available through that site. And the calendar also is expected to be available through a variety of bookstores, garden centers and gift shops across the state this fall.

Proceeds from calendar sales will support horticulture scholarships for students, as well as horticulture research and educational efforts of the LSU AgCenter.

Contact: Elma Sue McCallum at (225) 578-2462 or [emccallum@agcenter.lsu.edu](mailto:emccallum@agcenter.lsu.edu)

Writer: Tom Merrill at (225) 578-2263 or [tmerrill@agcenter.lsu.edu](mailto:tmerrill@agcenter.lsu.edu)

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## The Cost of Doing Business

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*...article cont'd from April/May/June 2004 newsletter*

### ELEMENTS OF COST

Direct costs such as payroll expenses, are an easily calculable figure ... payroll hourly rates multiplied by realistic labor times required to do the work.

Indirect costs follow direct costs and are closely related to hourly payroll rates. Payroll taxes, benefits, depreciation on vehicles and equipment - in fact the entire cost lineup that supports labor activity in the field - can be lumped together to develop an hourly rate based on the time, by the hour, of actually using the support equipment or "expense group." The only shortcoming you may have is that to assign an indirect

cost per hour, you'll have to estimate the total production hours predicted in the current season.

Overhead costs have a less impact and represent a far lower total expense group than direct or indirect expenses. The best you can hope for in terms of developing an hourly overhead rate to apply to total labor hours projected for any given job is to lump the entire year's overhead expense and estimate the total number of labor hours expected for the year. That overhead total is then divided by the hours to arrive at the overhead per hour rate. As the backlog of work increases, hourly overhead rates go down; and as the backlog drops, hourly overhead rates rise. This doesn't mean, however, that increases in overhead can be passed on to the customer for the company that doesn't have enough work to carry overhead at a conservative rate. Unreasonably high lucrative overhead expense schedules make a company far less competitive from a cost point of view.

Last but not least is the addition of profit to the cost group to arrive at a price to assign to the work. Sometimes a final price can be higher; sometimes it needs to be lower in view of current market and economic conditions. But here too, you should arrive at an hourly profit add on that justifies a reasonable profit.

Of course the higher the profit expectation, the lower the chance of being awarded the work. Profit after and beyond cost is the true "mystery" number that's locked up and somewhat a "secret" in virtually every job bid submitted. Some contractors will use industry averages for profits. Others will charge what they think the "traffic will bear," while still others will test their price levels, including profits, by going with a higher and higher price for the same work until they find the price ceiling. Another view is to ask yourself what amount of money is being the boss worth? Is it \$50,000, \$100,000, \$200,000 a year? If you were to replace yourself with a hired manager what would it cost? What's it worth "being you"? Part of your compensation is salary as a management cost to the business, and the other part profit that you earn for invested capital at risk in plant and equipment.

Base Price - is the lowest price you must charge to cover your business costs, salary and profit.

Realistic Price - is higher than Base Price. Top of the quality range in your field but still competitive.

Premium Price - is even higher where you price for the client who wants and can afford the best.

Best regards,

Phil Nilsson

Nilsson Associates

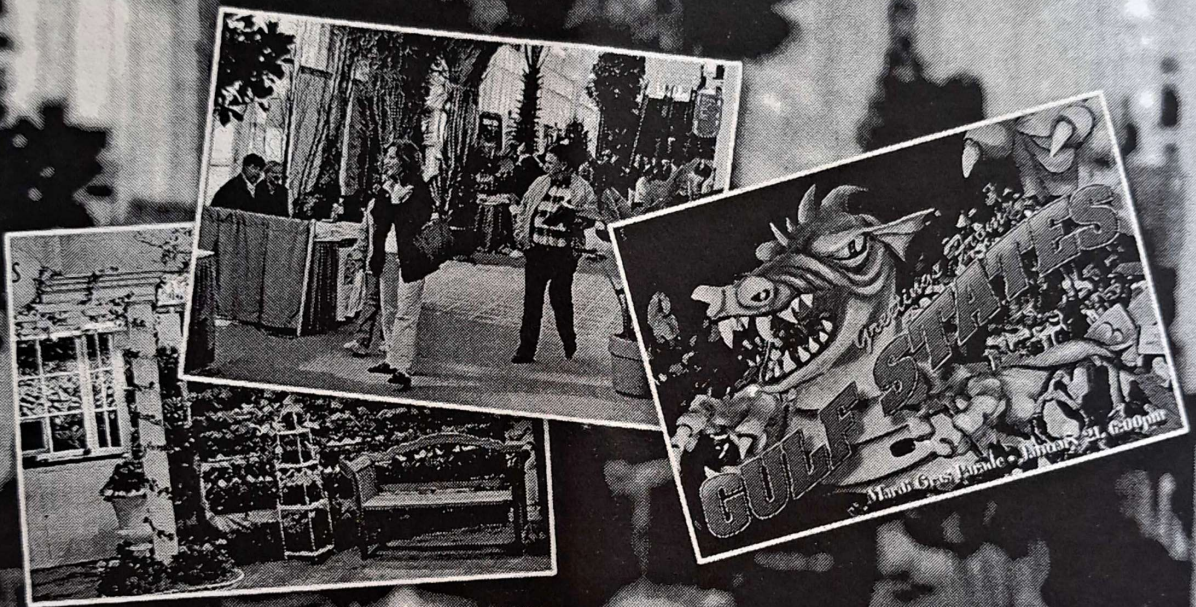
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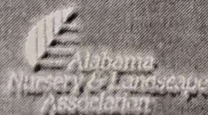
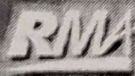
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## Pink Hibiscus Mealybug Advisory

As you are aware, the first report of pink hibiscus mealybug (PHM) in the State of Florida occurred on June 14, 2002. Since that time, the Florida Department of Agriculture and Consumer Services, Division of Plant Industry, United States Department of Agriculture, and the University of Florida's Institute of Food and Agricultural Sciences, have been cooperating to prevent the spread of this pest through regulatory and biological control efforts.

Unfortunately, while the biological control program is taking effect, PHM has continued to spread into other parts of the state and is becoming a potential regulatory problem for those nurseries, stock dealers and plant brokers that ship nursery stock interstate and to foreign countries. In fact, just last week, there was a shipment of hibiscus plants to Louisiana found to be infested with live PHM. Subsequently, the plants have been destroyed.

It is expected that the biological controls will over time reduce the populations of PHM to a low level. However, in the interim to protect Florida Agriculture and the Florida nursery industry's important domestic and international markets, we are strongly advising you to adhere to the following:

- Ensure your employees are aware of this plant pest and understand the consequences (rejections and/or quarantines) should this pest be detected in your shipments or establishment. For additional

information on PHM please visit our website at:  
<http://www.doacs.state.fl.us/pi/>

- Maintain a good pest control program using chemical treatments including a systemic insecticide for PHM as recommended by your local County Extension office. Please see above website for additional treatment information.
- Purchase hibiscus and other high risk host plants from registered and certified sources and thoroughly inspect them prior to exposing other parts of your facility to similar or other plants.
- Continually inspect the environment of your establishment for PHM. If detected, contact your local DPI inspector to ensure parasites are or have been released into the infested area.

*The following information on the pink hibiscus mealybug was recently received from the state of Florida. Please contact Dale Pollet at LSU (225.578.2180) or Craig Roussel at the La Department of Agriculture and Forestry (225/952.8100) if you need more information.*

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## Pot in Pot Nursery Production

LSU AgCenter horticulturist Allen Owings provides this information on pot in pot production.....

Growers across the southeastern United States have been implementing pot-in-pot production systems to a varying degree over the last 10-15 years. This practice is widely used in some areas and has not been pursued to any degree in other areas. Some field growers are converting land to pot-in-pot production and growers using traditional container production systems are experimenting with different pot-in-pot systems due to the advantages that they offer.

Traditional pot-in-pot production attempts to combine field and container growing techniques and offers advantages over these production systems. A "socket" container is placed in the ground and a second pot containing the plant to be grown is placed into the socket. Advantages of pot-in-pot production when compared to traditional container production include reduced heat stress to the root system during the summer months, elimination of container blow-over, and minimization of root zone temperature fluctuations during the winter months. Irrigation requirements can also be reduced. In ground pot-in-pot has been shown to produce a larger root mass in plants when compared to conventional container production. Of course, a larger root mass should translate into improved transplant success and faster establishment in the landscape.

A primary requirement for an in ground pot-in-pot system is a well drained soil base or the installation of a drainage system to remove excess rainfall or irrigation water volume when a poorly drained soil is used. Normally, a sandy soil, or most certainly a soil no finer textured than a sandy or silty loam, is needed if drainage improvements are not made. Additionally, installing an in ground pot-in-pot system is labor intensive and requires considerable equipment. The system also is permanently located once installed so future production plans and nursery layout needs to be carefully considered prior to installation.

In the mid 1990s work began on the introduction of an above ground pot-in-pot production system. You may also see these referred to as "nested containers". Seven and 15-gallon containers are most common. This method is intended to overcome some of the disadvantages associated with in ground pot-in-pot while still taking advantage of the insulation value of a socket container. The above ground system places a potted container in a socket pot on the surface of a container yard, ground cover clothed area, or field soil. The socket pot has flared sides to prevent blow-over and only needs a little soil or mulch at the base to be held in place.

Advantages of above ground pot-in-pot compared to in ground pot-in-pot include significant labor and cost savings at installation. It also allows for adjustment in future container spacings and eliminates the need for ideally drained soils or the need to install a drainage system. Escape roots can sometimes be a problem with in ground pot-in-pot plants, whereas escape roots are normally less of a problem in the



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above ground system. Blow-over may occur once in a while with above ground pot in pot while it never occurs with in ground pot in pot if the socket pots are properly installed.

...cont'd on page 9 "In The News"



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Louisiana Technical College / Folkes L.C.I.W. Branch

**Horticulture Program**

*Marcus Barnardez, Instructor*

My name is Marcus Barnardez and I am a Horticulture Instructor with the Louisiana Technical College / Folkes Campus. For the past nine years I have been teaching horticulture at the Louisiana Correctional Institute for Women (L.C.I.W.). The Horticulture Program at Folkes Campus was started in October 1995. Since that time, we have strived to become the best possible program for the students and the institution. **Due to financial restrictions and budget problems the horticulture students are deprived of proper materials and equipment necessary to achieve the best education in the Green Industry.**

We constantly work to improve our program, and ourselves, through the opportunities that present themselves along the way. One opportunity we have taken advantage of is the Louisiana Nursery and Landscape Association's Certified Nursery and Landscape Professional program. Many of our students have taken the exam and have become Certified Nursery and Landscape Professionals. The students have also successfully completed exams conducted by the Louisiana Department of Agriculture and Forestry leading to licenses in the following areas: Horticulturist, Arborist, Landscape Contractor and Pesticide Application (Commercial & Private). Our most recent endeavor includes adding the Louisiana Master Gardener Program to the curriculum.

The students in the Horticulture Program at L.C.I.W. are the FIRST horticulture students in a Louisiana women's correctional institution to take the tests and get their State Certified License in the above fields. These licenses will help open doors that would not necessarily be open for ex-offenders. As of today, the students of L.T.C. Folkes/L.C.I.W. branch have obtained a total of 120 licenses and 50 certifications.

The horticulture industry is literally screaming for well-trained individuals. We are emphasizing various areas of training that industry leaders have recommended. The curriculum as well as the CNLP and state licenses will help our students become more qualified to obtain employment in the field of horticulture.

Our Horticulture Program is designed to encompass all areas of horticulture including: plant biology, plant propagation, plant identification, soil fertility and pest management. The students are able to concentrate their studies in an area of interest (landscape installation and maintenance, greenhouse or nursery production, vegetables and fruits, etc.) and learn about other horticulture disciplines. Our program prepares students in the basics of horticulture. The possibilities are endless in the field of horticulture and with this training, students will be able to branch out into any area of horticulture they desire.

Proper training in equipment use and care is another essential part of preparing students for job opportunities. Students are trained in the use of commercial weed trimmers, power blowers, back-pack sprayers, edgers, and tillers. A Lesco 48" Commercial Lawn Mower was recently purchased for training purposes, and maintenance of the grounds.

The main goal of teaching horticulture in a correctional institute is to provide training to the students that will enable them to gain employment in the field and become more successful in their lives. We hope this training will result in productive, independent, determined, and successful individuals, and will help break the cycle of crime, which will benefit each individual as well as society as a whole.

**Due to financial restrictions and budget problems the horticulture students are deprived of proper materials and equipment necessary to achieve the best education in the Green Industry. We are seeking donations in the following areas: seeds, plants for plant identification, computer landscaping programs, media, fertilizers, pesticides, lawn care equipment, protective gear, greenhouse equipment, and books.**

I would like to express special thanks to those who have helped this program be successful: Dr. Allen Owings, Robert Souvestre, Dan Gill, Anthony Witcher, Harold Schexnayder, Dr. Dale Pollet, Dr. Gary Ross, Dr. Ed Bush, Dr. Hedgeman and countless others who have supported the Louisiana Technical College - L.C.I.W. Horticulture Department.

Please consider this request for donations. Your contributions could positively influence the lives of many women who are striving to better themselves.

Thank You,

Marcus Barnardez, Instructor  
Louisiana Technical College / Folkes L.C.I.W. Branch  
Office: 225-319-2367  
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# Certified Nursery & Landscape Professional Manual Review and Exam - 2004

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**For further information contact:** Anthony Witcher Ph 225/ 578-2222  
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 E-mail awitcher@agctr.lsu.edu



**Louisiana Nursery and Landscape Association  
Board of Directors Meeting  
May 12, 2004  
Hammond Research Station  
Hammond, LA**

The meeting was called to order at 10 am by president Cody Arceneaux. The meeting was held at the LSU AgCenter's Hammond Research Station in Hammond. Attendees were Pat Newman, Anthony Witcher, Allen Owings, Mark Womack, Nathan Dondis, Beth Perkins, Mark Humphries, Frances Thorne, Dan Gill, Danny LaFleur, Tom Fennell, Laney Strange, Rusty Ruckstuhl, and Beth Perkins. Board members absent was Dan Devenport, Brian Breaux, and Laura Crnko. Devenport. Guests present were Mark LeBlanc (LDAF), Craig Roussel (LDAF), Ed Bush (LSU), Regina Bracy (LSU), Howard Thorne, and Carlos Smith (LSU).

Motion was moved by Danny LaFleur and seconded by Dan Gill to accept the minutes of the February 2004 board of directors meeting as submitted. Motion passed.

Laney Strange provided a financial update for the first quarter of 2004. Total income during the first quarter was \$23,090 with expenses of \$37,392 for a net first quarter deficit of \$14,302. Considerable discussion was held on the financial report and the problems associated with transitioning from one treasurer to another treasurer every year. Nathan Dondis moved and Pat Newman seconded that day to day maintenance of the LNLA financial reports, checking account, etc will be maintained by Anthony Witcher at the LNLA office. Monthly and quarterly reports should be provided/maintained and all financial statements from all accounts should be sent directly to the LNLA address in Baton Rouge. After much additional discussion the motion passed.

Allen Owings neglected to provide a financial report of the commercial savings research and promotion account. (From February minutes - total balance on January 31, 2004 was \$74,403.89 with \$48,442.55 in research, \$22,809.34 in promotion, and \$3,152 in garden booklet income). \$42,500 of the research funds were allocated to the LSU AgCenter in April.

Pat Newman gave an update on GSHE activities. Nathan Dondis will be joining the GSHE board shortly as a Louisiana representative.

Laura Crnko provided a membership report.

Craig Roussel and Mark LeBlanc provided an update on the Sudden Oak Death problem in Louisiana and the present problems dealing with California on this issue.

Regina Bracy from the Hammond Research Station gave an update of station plans for the Landscape Horticulture Center. She requested \$100,000 in support funding from LNLA. There was considerable discussion about efforts at the LSU AgCenter in the area of ornamental horticulture and some questions were raised about program duplication at Hammond and Burden. Regina was asked to resubmit a proposal for funding considering focus on one specific area at the Hammond Research Station that LNLA could possibly provide some focused funding.

The board named a marketing committee consisting of Allen Owings, Cody Arceneaux, Mark LeBlanc, Anthony Witcher, Mary Gallent, Dan Gill, and Pat Newman. This group will focus on some LNLA marketing efforts (LPB commercials, calendar, buyers guide, website, lists of licensed professionals, it takes more than a shovel ad, etc).

The board reviewed a research proposal from LSU AgCenter ag engineer Dick Parish. The study will address container blow-over and has retail and wholesale application. Laney Strange moved and Nathan Dondis seconded to provide \$5000 in funding for this project. Motion passed.

A funding request from the La County Agricultural Agents to sponsor their annual conference was received. LNLA has done this in the past. Motion was moved by Nathan Dondis and seconded by Cody Arceneaux to provide funding of \$250. Motion passed.

A funding proposal was received from Bob Souvestre at the LSU AgCenter to consider sponsorship of the 2004 annual conference of the Louisiana Master Gardeners. Tom Fennell moved, Danny LaFleur seconded, to approve \$3000 for this. Motion passed.

A request from the BREC Botanical Garden for funding an outdoor pavilion was tabled and will be reconsidered at a later date upon BREC's request.

Anthony Witcher gave an update on the buyers guide project.

The board agreed to continue research funding to Dale Pollet at the LSU AgCenter for his scale entomology project. \$750 in 2004.

Plans are being actively made for the LNLA 50<sup>th</sup> anniversary party for Friday September 17<sup>th</sup>.

Allen Owings announced that the Southern Nursery Association has plans to award the first James and Fay Foret scholarship this August.

Meeting Announcements for 2005: Certified Nursery Professional Exams planned for June and October. Greenhouse Conference is June 8-10, Nursery Short Course is June 30- July 1, Fall Field Day at Burden is Sept 17, LPMC is TBA, Nursery and Landscape Golf Shootout has been rained out twice - TBA, SNA is August 12-14, Nursery and Landscape Expo is August 20-22, LFBF Commodity Conferences is July 10, Ginger Open House is July 10, and the Poinsettia Open House is December 9-10.

The next board meeting will be held September 8<sup>th</sup> at Burden Center in Baton Rouge. Being no further business the meeting adjourned at approximately 2:30 pm.



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